

# **Product Data Sheet**

## hsa-miR-5683 miRNA Agomir

CMJ1835SyntheticHDescriptionSynthetic miRNA Agomir is used to regulate the expression of target hsa-miR-5683 mRNA.SpecificityAgomir is chemically-modified double-strand miRNA mimics which can mimic mature endogenous miRNAs after transfection into cells. They can up-regulate the endogenous miRNA activity by utilizing the natural miRNA machinery. Our miRNA agomir is designed to mimic mature miRNAs, and chemically modified to increase their stability and activity.FormLyophilized powderGene Symbolhsa-miR-5683Accession No.MIMAT0022472ComponentsThis synthetic miRNA is based on the mature miRNA sequence. The antisense strand of the agomir has 2 phosphorothioates at the 5' end, 4 phosphorothioates, 1 cholesterol group at the 3' end, and full-length nucleotide 2'-methoxy modification. It exhibits enhanced cellular uptake, stability and regulatory activity in vivo.	Catalog #	Source	Reactivity	Applications			
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		lt exh	ibits enhanced cellular	r uptake, stability and regulatory activity	in vivo.		
<b>Directions for Use</b> Briefly centrifuge tubes containing miRNA agomir to ensure that the miRNA pellet is	Directions for U	Jse Briefly	Briefly centrifuge tubes containing miRNA agomir to ensure that the miRNA pellet is				
located at the bottom of the tube. Dissolve miRNA agomir to a convenient stock		locate	ed at the bottom of the	e tube. Dissolve miRNA agomir to a conve	enient stock		
concentration using the recommended volume of DEPC H2O (or RNase-free water).		conce	entration using the reco	ommended volume of DEPC H2O (or RNa	se-free water).		
For example: dissolve 5 nmol miRNA agomir to 20 $\mu M$ using 250 $\mu l$ DEPC H2O (or		For ex	ample: dissolve 5 nmo	ol miRNA agomir to 20 μM using 250 μl D	EPC H2O (or		
RNase-free water). Pipette the solution up and down 3-5 times (or vortex briefly).		RNase	e-free water). Pipette t	he solution up and down 3-5 times (or vo	ortex briefly).		
Briefly centrifuge tubes containing miRNA agomir to ensure that the solution is		Briefly	y centrifuge tubes con	taining miRNA agomir to ensure that the	solution is		
collected at the bottom of the tube. Aliquot the miRNA agomir into small volumes		collec	ted at the bottom of t	he tube. Aliquot the miRNA agomir into s	small volumes		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC-Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb-Rabbit, S- Sheep, Z- Zebrafish

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and store at  $\leq$  -20°C. miRNA agomir is stable (for 6 months under the specified storage condition). For best results, use in 3 months and limit freeze-thaw events for each tube no more than five times.

**Storage/Stability** Shipped at 4 °C. Store at -20 °C for one year. Avoid freeze-thaw cycles after reconstitution.

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC-Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb-Rabbit, S- Sheep, Z- Zebrafish

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